function generatePassword() {

const length = document.getElementById("length").value;

const hasUpper = document.getElementById("uppercase").checked;

const hasLower = document.getElementById("lowercase").checked;

const hasNumbers = document.getElementById("numbers").checked;

const hasSymbols = document.getElementById("symbols").checked;

const upper = "ABCDEFGHIJKLMNOPQRSTUVWXYZ";

const lower = "abcdefghijklmnopqrstuvwxyz";

const numbers = "0123456789";

const symbols = "!@#$%^&\*()\_+[]{}|;:,.<>?";

let allChars = "";

if (hasUpper) allChars += upper;

if (hasLower) allChars += lower;

if (hasNumbers) allChars += numbers;

if (hasSymbols) allChars += symbols;

if (allChars === "") {

alert("Please select at least one option!");

return;

}

let password = "";

for (let i = 0; i < length; i++) {

password += allChars[Math.floor(Math.random() \* allChars.length)];

}

document.getElementById("password").value = password;

checkStrength(password);

}

function copyPassword() {

const passwordField = document.getElementById("password");

passwordField.select();

document.execCommand("copy");

alert("Password copied!");

}

function checkStrength(password) {

let strength = "Weak";

if (password.length >= 12 && /[A-Z]/.test(password) && /\d/.test(password) && /\W/.test(password)) {

strength = "Strong";

} else if (password.length >= 8) {

strength = "Medium";

}

document.getElementById("strength").innerText = "Strength: " + strength;

}